

BULK FUEL TANK FARM CONVERSION TO SOLAR ENERGY HUB

2021



Tierra Group delivered turn-key environmental engineering services to facilitate the conversion of a 42-million gallon bulk fuel oil storage facility to an advanced solar energy storage hub. The 5 MW solar array is utilized for the design and testing of stationary and mobile battery charging stations to power electric vehicles and gain insight into microgrid technology.

2022



The scope of work included the following key services:

- Assessment and closure of 5,800 ft fuel oil pipeline
- Inspection of tank and fuel system infrastructure, including manways, sumps, and surficial soils
- Subsurface evaluation across the facility footprint to prepare the ground surface for redevelopment
- Tank closure assessment reporting to regulatory agency

2023



- Stormwater management and erosion control to ensure protection of abutting surface waters
- Regrading of containment berms to accommodate construction of the solar array system
- Soil stabilization and restoration of project site

Tierra proudly engages in initiatives that transform legacy fossil fuel sites into renewable energy facilities.